

INTERNATIONAL SEARCH REPORT

Internat

Application No

PCT/IB2004/004173

A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 C07D473/00 A61K31/52

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C07D A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, CHEM ABS Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P,X	JP 2004 217582 A (ABBOTT JAPAN CO LTD) 5 August 2004 (2004-08-05) & Automatic translation Whole document page 1 of description, first paragraph (field of invention) Example 90 in table 41 Claims 1-3	1-21
A	WO 03/002566 A (CV THERAPEUTICS, INC; PALLE, VENKATA; VARKHEDKAR, VAIBHAV; ZABLOCKI, J) 9 January 2003 (2003-01-09) cited in the application the whole document ----- -/--	1-21

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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- * & * document member of the same patent family

Date of the actual completion of the International search

27 May 2005

Date of mailing of the International search report

08/06/2005

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PCT/IB2004/004173

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 1 221 444 A (EISAI CO., LTD) 10 July 2002 (2002-07-10) cited in the application the whole document	1-21
A	WO 01/49688 A (UNIVERSITAIRE INSTELLING ANTWERPEN; USTAV EXPERIMENTALNI BOTANIKY AKAD) 12 July 2001 (2001-07-12) cited in the application the whole document	1-21
A	OEGRID, DAGFINN ET AL: "Evidence that cyclic nucleotides activating rabbit muscle protein kinase I interact with both types of cAMP binding sites associated with the enzyme" JOURNAL OF BIOLOGICAL CHEMISTRY, vol. 258, no. 2, 1983, pages 1041-1049, XP002329461 Registry Number 8443-42-1 Adenosine, 8-(3,5-dimethyl-1H-pyrazol-1-yl)-cyclic 3',5'-(hydrogen phosphate) the whole document	1-20
A	WO 92/05175 A (BEECHAM GROUP PLC) 2 April 1992 (1992-04-02) the whole document Claim 1 Example 9 Pages 44-46 (Inhibition of phosphodiesterase)	1-21
A	US 6 228 859 B1 (CAVALLA DAVID J ET AL) 8 May 2001 (2001-05-08) cited in the application the whole document	1-21
A	US 6 413 975 B1 (CHASIN MARK ET AL) 2 July 2002 (2002-07-02) cited in the application the whole document	1-21

INTERNATIONAL SEARCH REPORT

Inten Application No
PCT/IB2004/004173

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
JP 2004217582	A	05-08-2004	NONE	
WO 03002566	A	09-01-2003	CA 2451244 A1 EP 1401837 A1 JP 2004536102 T WO 03002566 A1 US 2003064999 A1 US 2004209899 A1	09-01-2003 31-03-2004 02-12-2004 09-01-2003 03-04-2003 21-10-2004
EP 1221444	A	10-07-2002	AU 778450 B2 AU 5571700 A CA 2376835 A1 EP 1221444 A1 NZ 516260 A US 6841549 B1 CN 1365361 A ,C WO 0102400 A1	09-12-2004 22-01-2001 11-01-2001 10-07-2002 27-08-2004 11-01-2005 21-08-2002 11-01-2001
WO 0149688	A	12-07-2001	AU 3540101 A CA 2396276 A1 CZ 20022353 A3 WO 0149688 A1 EP 1244668 A1 JP 2003519232 T NO 20023247 A US 2003187261 A1	16-07-2001 12-07-2001 12-02-2003 12-07-2001 02-10-2002 17-06-2003 09-09-2002 02-10-2003
WO 9205175	A	02-04-1992	AU 653364 B2 AU 8541391 A CA 2092430 A1 EP 0550570 A1 WO 9205175 A1 IE 913350 A1 JP 6501251 T MX 9101237 A1 NZ 239921 A PT 99062 A ZA 9107610 A	29-09-1994 15-04-1992 27-03-1992 14-07-1993 02-04-1992 08-04-1992 10-02-1994 04-05-1992 23-12-1993 31-08-1992 30-09-1992
US 6228859	B1	08-05-2001	US 2003073834 A1 US 6294541 B1 US 6319928 B1 AT 244243 T AU 1722899 A AU 1722999 A AU 1723099 A AU 747366 B2 AU 1815999 A AU 1820899 A BR 9815169 A BR 9815170 A BR 9815171 A CA 2313004 A1 CA 2313150 A1 CA 2314335 A1 CN 1281458 A CN 1294590 A CN 1284077 A	17-04-2003 25-09-2001 20-11-2001 15-07-2003 05-07-1999 05-07-1999 05-07-1999 16-05-2002 05-07-1999 28-06-1999 10-10-2000 10-10-2000 10-10-2000 24-06-1999 17-06-1999 24-06-1999 24-01-2001 09-05-2001 14-02-2001

INTERNATIONAL SEARCH REPORT

 Intern: I Application No
 PCT/IB2004/004173

Patent document cited in search report	Publication date	Patent family member(s)	Publication date	
US 6228859	B1	DE 19882892 T0	22-02-2001	
		DE 19882893 T0	22-02-2001	
		DE 69816127 D1	07-08-2003	
		DE 69816127 T2	22-04-2004	
		DK 1045849 T3	27-10-2003	
		EP 1044201 A1	18-10-2000	
		EP 1045849 A1	25-10-2000	
		EP 1045850 A1	25-10-2000	
		ES 2202924 T3	01-04-2004	
		GB 2346878 A ,B	23-08-2000	
		GB 2346879 A ,B	23-08-2000	
		HU 0100305 A2	28-01-2002	
		HU 0100417 A2	28-12-2001	
		HU 0301166 A2	28-08-2003	
		JP 2001525412 T	11-12-2001	
		JP 3504234 B2	08-03-2004	
		JP 2002508376 T	19-03-2002	
		JP 2002508377 T	19-03-2002	
		JP 2002508378 T	19-03-2002	
		JP 2002508379 T	19-03-2002	
		NO 20002998 A	19-07-2000	
		PL 341108 A1	26-03-2001	
		PT 1045849 T	28-11-2003	
		TR 200001706 T2	21-11-2000	
		WO 9931102 A1	24-06-1999	
		WO 9931103 A1	24-06-1999	
		WO 9931104 A1	24-06-1999	
		WO 9931105 A1	24-06-1999	
		WO 9929694 A1	17-06-1999	
		US 6037470 A	14-03-2000	
		US 6057445 A	02-05-2000	
US 6413975	B1	02-07-2002	US 2003073834 A1	17-04-2003
			AU 4053800 A	23-10-2000
			BR 0011182 A	10-06-2003
			CA 2367143 A1	12-10-2000
			CN 1377353 A	30-10-2002
			EP 1169321 A2	09-01-2002
			HU 0200938 A2	28-10-2002
			JP 2002541078 T	03-12-2002
			WO 0059449 A2	12-10-2000
			US 6294541 B1	25-09-2001
			US 6319928 B1	20-11-2001